RAISECOM

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VLAN Configuration Commands

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Chapter 1 VLAN Configuration Commands

1.1 show vlan

[Function]

Show static VLAN configuration information.

[Command Format]

show vlan *[{1-4094}]*

[Parameter]

{1-4094}: VLAN ID Iist.

[Command Modes]

Privileged EXEC; Privileged user

[Executing Command Instruction]

Show all the static VLAN configuration information, including active and suspending.

[Explanation of command execution echo]

Echo 1:

Outer TPID: 0x9100

VLAN Name State Ports

---- ------------------------- -------- ----------------------------

1 Default active 1-26

2 Cluster-Vlan active 1-26

3 VLAN0003 suspend 1,2,10,20-25

The above echo just is applicable to support double tag switch, such as: 3026/2826/2008/2026b/2026c/2017/2017a/2016c/2016/2016S/2026S/2126f/2126e/2126fl/2109f.

Echo 2:

VLAN Name State Ports

---- ------------------------- -------- ----------------------------

1 Default active 1-26

2 Cluster-Vlan active 1-26

3 VLAN0003 suspend 1,2,10,20-25

The above echo is applicable to ISCOM series switches except the echo 1 listed.

Echo 3: this echo is applicable on RC5X1 switch:

Switch mode: Transparent

Core tag type: 0x9100

VLAN Ports Untag Ports Priority

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1 L:1;C:1-4 L:1;C:1-4 --

2 L:1;C:1-4 n/a --

[Related commands]

Commands	Description
name	Name static VLAN.
state	Set active status of static VLAN.
show vlan	Show VLAN configuration information.

1.2 show interface port switchport

[Function]

Show the configuration information of the VLAN.

[Command Format]

show interface port *[<1-MAXPORT>]* **switchport**

show interface *client [<1-MAXPORT>]* **switchport**

show interface *line [<1-MAXPORT>]* **switchport**

[Parameter]

<1-MAXPORT>: port list;

client: client port;

line: line port.

[Command Modes]

Privileged EXEC; privileged user.

[Executing Command Instruction]

Show VLAN configuration information of the port.

[Explanation of command execution echo]

Echo of ISCOM series switch:

X stands for port number.

Port X:

Administrative Mode: extend-access

Operational Mode: extend-access

Access Mode VLAN: 1(default)

Administrative Hybrid Allowed VLANs: 1,2

Operational Hybrid Allowed VLANs: none

Administrative Hybrid Untagged VLANs: none

Operational Hybrid Untagged VLANs: none

Administrative Trunk Allowed VLANs: all

Operational Trunk Allowed VLANs: none

Native Mode Vlan: 1(default)

Echo of RC5X1 device:

Port clientX:

PVID: 1

PVID override: Disabled

Double tag: Disabled

Vlan accept-frame: All

Vlan ingress filtering: None

Egress default : Unmodify

[Related commands]

Commands	Description
switchport access vlan	Show the ACCESS VLAN ID of the port
switchport hybrid allowed vlan	Set the port to allowable VLAN, when it is set to HYBRID mode.
switchport hybrid untagged vlan	Set the port to allowable UNTAG VLAN, when it is set to HYBRID mode.
switchport mode	Set the VLAN mode of the port.
switchport native vlan	Set the NATIVE VLAN for the port, when it is set to HYBRID or TRUNK mode.
switchport trunk allowed vlan	Set the port to allowable VLAN, when the port is set to TRUNK mode.

1.3 vlan

[Function]

Create VLAN or enter static VLAN mode.

[Command Format]

vlan *<3-4094>*

vlan *<3-4094> {client|line} [<1-MAXPORT>] <0-7>* Supporting device type: RC5X1

no vlan {all | *<3-4094>}*

[Parameter]

<3-4094>: VLAN ID;

<*0-7*>: priority;

client: client port;

line: line port;

all: All the static VLAN except default VLAN(VLAN ID is 1).

[Default]

By default, there are default VLAN and cluster VLAN available in the system, that is VLAN 1 and VLAN 2. All the ports are saved in VLAN 1 as extend-access mode.

[Command Modes]

Global configuration mode; privileged user

[Executing Command Instruction]

The user use command VLAN to enter configuration mode of static VLAN, if referenced VLAN is not available, system will create automatically. The state of static VLAN newly created is hung up, user must activate it's configuration in configuration mode and quit configuration mode of VLAN, the referenced mode will be enabled.

User can use **no vlan** to delete static VLAN in the system.

[Example]

Enter configuration mode of static VLAN 4094:

Raisecom(config)# **vlan** *4094*

Delete VLAN 3 form system:

Raisecom(config)#**no vlan** *3*

[Related commands]

Commands	Description
name	The name static VLAN.
state	Set activation state of static VLAN.
shutdown	Show configuration of VLAN.

北京瑞斯康达科技发展有限公司
RAISECOM TECHNOLOGY CO.,LTD.

Address: 2nd Floor, South Building of Rainbow Plaza, No.11 Shangdi Information Road, Haidian District, Beijing Postcode: 100085 Tel: +86-10-82883305 Fax: +86-10-82883056
Email: export@raisecom.com http://www.raisecom.com